Subject: Mathematics

Class: 3

Topic: Fundamental process in mathematics

1. **Specific objectives:** At the end of this learning activities students will be able to:-

    a. Find the sum of maximum 5 digits without and with carryover.

    b. Subtract the numbers up to 5 digits with borrowing and word problems related to subtraction.

2. **Materials:** Daily use teaching materials.

Addition[+]

Addition is just a final count of numbers or items. It is also called the 'Sum'.

Let's see the examples

T.TH	TH	H	T	O
1	1	1	1	
2	8	8	9	6
+ 1	5	6	3	6
4	4	5	3	2

- Add the digits in the ones place: 6+6 = 12
  12 ones = 1 ten + 2 ones
- Add the digits in the tens Place: 1+9+3 = 13
  13 tens = 1 hundred + 3 tens
- Add the digits in the hundred place: 1+8+6=15
  15 hundred = 1 thousand + 5 hundreds
- Add the digits in the thousands place: 1+8+5=14
  14 thousand =one 10 thousand +4 thousands
- Add the digits in the ten thousands place:1+2+1=4

- Answer is 44532.

Subtraction(-)

Subtraction is the mathematical operation that represents the operation of removing objects from the collection.

Subtraction with borrowing

Subtract 3678 from 8536

TH	H	T	O
7	14	12	16
8	5	3	6
- 3	6	7	8
4	8	5	8

- Subtract the ones, where 8 > 6.

So, borrow 1 then it will be 16. Now 16 -8 = 8

- Subtract the tens, 2 < 7. Borrow 1 from the hundreds, then 12 -7 =5
- Subtract the hundred, 4 <6 so borrow 1 from the thousand, then 14-6=8
- Now subtract thousands, 7-3=4
- Result is 4858

3. **Homework:**

(1) Add the following

a.
TH	H	T	O
8	8	8	8
+ 7	7	7	7

b.
TH	H	T	O
8	8	8	8
+ 7	7	7	7